



POLYTHANE[™]233 HF

HEAVY DUTY, SLIP RESISTANT POLYURETHANE SCREED OF THICKNESS 6-9 MM

DESCRIPTION

Polythane™ 233 HF is a 5 component polyurethane trowel applied in average thickness from 6-9 mm screed for industrial application and repairing system in matt antiskid finish offering versatility in performance, aesthetics and cost effective.

RECOMMENDED USES

- · Hygienic floor for kitchens, food and beverage processing and packaging plants.
- Chemical resistance floor for chemical processes
- Thermal shock resistance floor for freezers, refrigerators and oven installed spaces
- Mechanically durable floor for loading docks and warehouses
- Anti-skid finish for safety in oily, slippery service conditions

MAIN PROPERTIES

- Anti-skid surface for safety
- Excellent chemical resistance
- High temperature resistance up to 120 °C
- Easily cleaned and maintained surface
- User-friendly, low odor during installation
- Resists bacterial growth, fungi, mould and mildew
- One of the fastest "turn around time" polymer modified product which reduces cost
- High-density systems with maximum wear, abrasion andimpact
- Seamless without joints for optimum sanitation and hygienic finish
- Food Grade

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TECHNICAL PROPERTIES

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* Co	mpres	sive s	stren	ath

- * Tensile Strength * Flexural Strength
- * Pull-off Strength
- Thermal conductivity
- * Taber abrasion resistance Coefficient of thermal expansion

Impact resistance

Water absorption

* Temperature resistance Pot life

2.0 kg/mm/sqm

50 N/mm²

61.69 ksc (ASTM C307-03)

127.40 ksc (ASTM C348)

1.56 mPa (ASTM D7522)

1.0 W/m °C

0.2 gm/1000 gm/1000 rpm

2.5 X 10 - 5 °C

< 0.5 (BRE screed tester) mm

-40 °C to 120 °C

25 - 30 min. at 30 °C

COLOR

- Light Gray (Close to RAL #7035 Light Gray)
- Medium Gray (Close to RAL #7040 Window Gray)
- Dark Gray (Close to RAL #7037 Dusty Gray)
- Yellow Cream (Close to RAL #1014 Ivory)
- Yellow Buff (Close to RAL #1002 Sand Yellow)
- Light Green (Close to RAL #6021 Pale Green)
- Dark Green (Close to RAL #6032 Signal Green)
- Blue (Close to RAL #5024 Pastel Blue)
- Red (Close to RAL #3001 Signal Red)

SURFACE PREPARATION

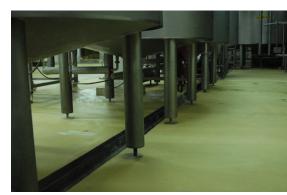
- Concrete should have a mechanical strength of at least 210 KSC (cyl)
- Moisture contents in the concrete should be less than 5%
- Surface preparation by scarifying crossed lines or shotblasting
- Groove every 1.5 meter, crossed lines, is recommended for better bonding into the substrate
- Key lock, two paralel lines, at all edges to wall, to gutter is also recommended to avoid curling and debonding

INSTALLATION

- Primer, epoxy primer Rocaprime™ 200 and broadcasting with Filler QS-4 100 g/sqm are recommended prior coating with Polythane™233 HF. Let the primer completely dry, approximately 6-8 hours before applying the top coat.
- Polythane[™] 233 HF should not be applied on floor temperature below 10 °C. Temperatures should not fall below 5°C in the 24 hours after application.
- Polythane[™] 233 HF is not designed for immersion.

AVERAGE CONSUMPTION

• 2.21 m₂/set/ 6 mm



TRAFFICABILITY (at 35 °C)

8 hours	Foot traffic
18 hours	Light traffic
24 hours	Full traffic
7 days	Full cured

MAINTENANCE

Regular cleaning and maintenance will prolong the life of Polythane™ 233 HF, enhance the appearance and reduce the tendency to retain dirt.

- For the first 7 days, use only clean water to wash the floor
- After 7 days, can use liquid soap or light diluted detergent and high pressure water to wash the floor

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RODUCT



POLYTHANE[™]233

HEAVY DUTY, SLIP RESISTANT POLYURETHANE SCREED OF THICKNESS 6-9 MM

PACKAGING

Polythane™ Part A 3 kg/container, 6 container/box **Polythane**™ Part B 3 kg/container, 6 container/box 12.3 kg/bag Polythane™ Part C Polythane™ Part D 8 kg/bag Polythane™ Part E 200 g/bag

STORAGE AND SHELF LIFE

6 months to 1 year

HEALTH & SAFETY

Material Safety Data Sheet (MSDS) available upon request.